

## CLAIMS

1. An indoor unit (2) of an air conditioner (1), comprising:

a main body casing (42);

a front grill (60) provided forward of the main body casing (42) and having a first opening (27);

a first movable panel (72) capable of moving so as to open and close the first opening (27);

a drive portion (41) configured to generate a driving force to move the first movable panel (72); and

an opening and closing mechanism (61) provided at the front grill (60) and configured to move the first movable panel (72) by the driving force of the drive portion (41) to open and close the first opening (27).

2. The indoor unit (2) of the air conditioner (1) according to claim 1, wherein

at least when mounting the front grill (60) to the main body casing (42), the drive portion (41) is provided in the main body casing (42).

3. The indoor unit (2) of the air conditioner (1) according to claim 1 or 2, wherein

the opening and closing mechanism (61) includes a supporting member (68) mounted to the first movable panel (72) to support the first movable panel (72).

4. The indoor unit (2) of the air conditioner (1) according to any one of claims 1 to 3, wherein

the opening and closing mechanism (61) includes a speed reducing mechanism (68, 630, 631) for transmitting the driving force of the drive portion (41) to the first movable panel (72).

5. The indoor unit (2) of the air conditioner (1) according to any one of claims 1 to 4, wherein

the opening and closing mechanism (61) includes a converting mechanism (68, 630, 631) for converting a rotary motion transmitted from the drive portion (41) to opening and closing movements of the first movable panel (72).

6. The indoor unit (2) of the air conditioner (1) according to any one of claims 1 to 5, wherein

the opening and closing mechanism (61) includes

a first opening and closing mechanism (63) for moving one end of the first movable panel (72) by the driving force of the drive portion (41), and

a second opening and closing mechanism (64) for moving the other end of the first

movable panel (72) by the driving force of the drive portion (41).

7. The indoor unit (2) of the air conditioner (1) according to claim 6, wherein the first opening and closing mechanism (63) and the second opening and closing mechanism (64) each are formed as a unit.

5 8. The indoor unit (2) of the air conditioner (1) according to claim 7, wherein the first opening and closing mechanism (63) and the second opening and closing mechanism (64) are provided such that they are respectively fixed to inner surfaces of left and right sides of the said front grill (60).

9. The indoor unit (2) of the air conditioner (1) according to any one of claims 6 to 8,  
10 wherein  
the opening and closing mechanism (61) is configured so as to distribute the driving force from the drive portion (41) to the first opening and closing mechanism (63) and the second opening and closing mechanism (64).

10. The indoor unit (2) of the air conditioner (1) according to any one of claims 1 to 9,  
15 wherein  
the front grill (60) further includes a second opening (29),  
the indoor unit (2) further comprises a second movable panel (71) capable of moving so as to open and close the second opening (29), and  
the opening and closing mechanism (61) moves the first movable panel (72) to open  
20 and close the first opening (27) and also moves the second movable panel (71) to open and close the second opening (29), by the driving force of the drive portion (41).

11. The indoor unit (2) of the air conditioner (1) according to any one of claims 1 to 10,  
wherein

25 the main body casing (42) includes a second gear (45) disposed so as to engage with a first gear (66) included in the opening and closing mechanism (61) in a state in which the front grill (60) is mounted to the main body casing (42), and configured to transmit the driving force of the drive portion (41) to the opening and closing mechanism (61).

30 12. The indoor unit (2) of the air conditioner (1) according to any one of claims 1 to 11,  
wherein

the main body casing (42) is provided with a control component,  
the drive portion (41) includes a motor (43) connected to the control component and configured to move the first movable panel (72),

the main body casing (42) includes a temporary fixing portion (490) for temporarily fixing the drive portion (41), and  
the front grill (60) includes a fixing portion (62) for fixing the drive portion (41) that is temporarily fixed.

- 5     13. The indoor unit (2) of the air conditioner (1) according claim 12, wherein  
the drive portion (41) is temporarily fixed with the temporary fixing portion (490)  
such that the drive portion (41) is capable of moving to a position where the drive  
portion (41) is to be fixed with the fixing portion (62) when the drive portion (41) is  
fixed with the fixing portion (62).
- 10    14. The indoor unit (2) of the air conditioner (1) according claim 12 or 13, wherein  
the temporary fixing portion (490) includes a clip portion (490) for holding the  
drive portion (41) and temporarily fixing the drive portion (41).